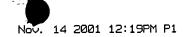
*PHONE NO. : 703 838 2701



Inventor: INMAN, Michael Sor. No. 09/890, 157

5AX #3A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

174T

In re application of

INMAN, Michael

Serial No. 09/890,187

Filed: July 27, 2001

for:

PLASMA-ASSISTED PROCESSING OF GASEOUS MEDIA

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Please amend as follows:

In the Claims:

Cancel all claims presently on file, and substitute the following new Claims 28-47:

A reactor for the plasma assisted processing of a 28. gaseous medium including a pair of electrodes having facing surfaces, the separation of the faciling surfaces being substantially uniform and defining a space/therebetween, a body of dielectric material positioned /to provide a dielectric barrier between the electrodes and configured to divide the said space between the electrodes into a flurality of gas passages, which together provide the plasma folyme of the reactor and along the lengths of which gas flows in use of the reactor, the gas passages being aligned so that their lengths extend between and in a direction parallel with the facing surfaces of the electrodes, the gas passages being spaced apart from one another in a direction transverse to the said facing surfaces, wherein the gas passages are shaped to have a pair of opposed sides the contour of which matches the contour of the said facing sur-

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